Cisco 1548 Micro Switch 10/100 Cisco Networked Office Stack
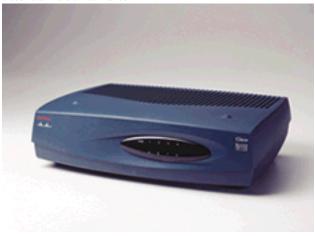
The Cisco 1548 Micro Switch is an affordable, easy to use, 10/100 autosensing Fast Ethernet switch for creating high-performance LANs in small offices and workgroups. A single Cisco Micro Switch 10/100 offers eight 10BaseT/100BaseTX switched ports, making it ideal for connecting high-performance workstations and servers. The Cisco 1548 Micro Switch 10/100 also can be deployed as the LAN backbone in larger office networks aggregating other devices, including the Cisco 1528 Micro Hub 10/100.

Each switch port supports autosensing and autonegotiation features to correctly set the communications speed and duplex mode between connected devices. The Cisco 1548 Micro Switch 10/100 offers the key advantages of simple configuration, low cost, optimal port density, high performance, and flexibility.

The Cisco 1548 Micro Switch 10/100 is an integral member of the Cisco Networked Office stack of networking solutions designed for small businesses. Combined with the Cisco 1600 router series and other products in the Cisco Networked Office stack, the Cisco 1548 Micro Switch 10/100 provides high-performance local-area networking with reliable and affordable Internet access, and a secure remote-access solution.

Cisco 1548 Micro Switch 10/100

Key Features and Benefits

High Performance
- Eight 10BaseT/100BaseTX autosensing, autonegotiation ports deliver Fast Ethernet performance where it is needed most—to demanding workgroups and servers—while preserving legacy 10BaseT connectivity.
- Full-duplex operation on each switched 10BaseT/100BaseTX port delivers up to 200-Mbps of bandwidth to end stations or servers and between switches.
- 800-Mbps switching capacity with up to 1.19 million packets per second forwarding rate ensures continuous, high-speed network operation.

Easy to Install and Use
- Installing a Cisco 1548 Micro Switch 10/100 does not require technical expertise. Automatic configuration and self-test on startup ensures that the switch will function properly.
- Color-coded ports on the rear panel of the unit enable simple and accurate connection of hubs, PCs and workstations, printers, fax servers, and other devices.
- LED indicators on each port of the Cisco 1548 Micro Switch 10/100 provide comprehensive and convenient visual management. LEDs indicate system and port status, power, bandwidth utilization, speed (10 Mbps or 100 Mbps), and half-/full-duplex operation.
- Autonegotiation on each port automatically selects half- or full-duplex transmission mode to optimize bandwidth.

CISCO SYSTEMS

Protects Networking Investment

- Supports existing 10BaseT and 100BaseTX equipment minimizing network change and overall deployment costs.

Easy to Expand

- The Cisco 1548 Micro Switch 10/100 can operate as a standalone device or connect to other Ethernet or Fast Ethernet hubs, switches, and routers to form a larger network.
- Automatic address detection configures up to 2000 Media Access Control (MAC) addresses per switch.

Single Vendor Solution and Support

- When combined with a Cisco 1600 series router and other Cisco Networked Office stack components, the Cisco 1548 Micro Switch 10/100 offers a complete LAN/WAN solution that is easy to install, operate, and expand.
- Cisco Systems and its partners offer complete technical support and service for all Cisco Networked Office stack products, whether purchased separately or in combination with other Cisco products.
- One-year warranty

Technical Specifications

Ports/Connector Types

- Eight workstation connectors: RJ-45 MDI-X shielded connectors
- Media supported: Category 5 UTP or Category 3 UTP (10BaseT only)

Indicator Panel LED Display

- PWR: Indicates whether power is being supplied to hub.
- Ports 1 to 8: Port status including link, activity, speed, full-/half-duplex operation, and disabled.

Dimensions

- (H x W x D): 3.1 x 11.2 x 8.7 in. (7.85 x 28.4 x 22.1 cm); height includes stacking curves on top of hub.

Weight

- 2.7 lb (1.2 kg)

Standards conformance

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-T

Warranty

- One year

Safety Specifications

- UL 1950/CSA 22.2 No. 950
- IEC 950/EN 60950

Electromagnetic Emissions Compliance

- FCC Part 15 Class A
- EN 55022B Class A (CISPR22 Class A)
- VCCI Class I
- AS/NRZ 3548 Class A
- CE

Environmental Specifications

- Power consumption: Nominal 35W
- AC input voltage: 100 to 127 VAC, 200 to 240 VAC
- Operating temperature: 32 to 104 F (0 to 40 C)
- Operating humidity: 10 to 85% noncondensing
- Operating altitude: up to 9840 feet (3000 meters)
- Storage temperature: -13 to 158 F (-25 to 70 C)
- Storage altitude: 30,000 feet (9146 meters)

To Order

Model Number: Cisco1548U-DS

For More Information on Cisco, Contact:

United States and Canada: 800 553-NETS (6387)

Europe: 32 2 778 4242

Australia: 61 2 9935 4107

Other: 408 526-7209

Or contact your local Cisco office

World Wide Web URL: http://www.cisco.com

Cisco **S**ystems

Cisco Systems has more than 200 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the
Cisco Connection Online Web site at http://www.cisco.com.

Argentina • Australia • Austria • Belgium • Brazil • Canada • Chile • China (PRC) • Colombia • Costa Rica • Czech Republic • Denmark
England • France • Germany • Greece • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia
Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Russia • Saudi Arabia • Scotland •
Singapore